Saskatchewan Agriculture Seed Purity Survey 1984

A seed purity survey was undertaken in Saskatchewan in the spring of 1984. Three students were hired to assist in the collection of the samples and to do the purity analysis. The Seed Testing Laboratory of the Food Production and Inspection Division, Agriculture Inspection Directorate of Agriculture Canada, trained the students to do the purity analysis and made the Laboratory facilities available to the students to do the analysis. The Laboratory personnel were also available throughout the analysis period to assist the students.

The twelve Agriculture Representative Districts were selected "two each" by the six regions. We wish to thank the regional staff and agriculture representatives involved in this survey.

The districts selected were as follows:

S.W. Region	- District 2	- Assiniboia
	- District 11	- Leader
S.E. Region	- District 1	- Estevan
	- District 6	- Indian Head
W.C. Region	- District 16	- Outlook
	- District 23	- Biggar
E.C. Region	- District 39	- Fort Qu'Appelle
	- District 42	- Kelvington
N.W. Region	- District 29	- Rosthern
	- District 36	- Meadow Lake
N.E. Region	- District 26	- Tisdale
	- District 32	- Prince Albert

To get a statistically **reliable** survey, a sample of 5 percent of the farmers was required. In all but one district, this meant 80 samples. The one district, Indian Head, had 2138 farmers. To keep to the 80 samples per district, R.M.'s 94 and 95 were excluded from the survey. The target of 960 samples (80 x 12) was in fact exceeded and a total of 972 samples was collected.

A questionnaire (attached) was completed at each farmer's location and the results were tabulated.

The purity analysis was done according to the Seed Testing Laboratory standards which are established under the Canada Seeds Act. The form that was used to record the results is also attached.

The samples collected were of grains as follows, with the number of samples in brackets: spring wheat (606), barley (121), durum wheat (107), canola (75), oats (30), flax (19), alfalfa (3), lentils (2) barley and oats mixture (2), peas (1), mustard (1), rye (1), red clover (1), sunflower (1), sweet clover (1) and canary seed (1).

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SASKATCHEWAN AGRICULTURE
FAMILY FARM IMPROVEMENT BRANCH
3085 ALBERT STREET
REGINA, SASK.
S4S 0B1

The overall quality of seed was 40 percent Canada No. 1, 30 percent Canada No. 2 and 30 percent reject.

Sixteen percent of the seed has been chemically treated.

Seventy-three percent of the farmers rated their procedure as good, 23 percent rated the cleaning as fair and 4 percent felt that it was poor.

The farmers were asked to indicate their first, second and third most troublesome weeds. To get a rating of these weeds, the weed named as the most troublesome by the farmer was given 3 points, the second most troublesome, 2 points and the third, 1 point. The weeds were rated on an accumulated point basis. The points accumulated by each weed are indicated in the weed problem rating.

Saskatchewan Agriculture Seed Drill Survey 1984

Sample No. _____

Name _____ Address _____

R.M. No. _____ Kind of Grain _____ Variety _____

1. Source of Seed
   - Own Seed _____
   - Other Farmer's _____
   - Seed Grower _____
   - Seed Company _____

2. Class of Seed
   - Non-Pedigreed _____
   - Pedigreed
     - Foundation _____
     - Registered _____
     - Certified _____

3. Where Cleaned
   - Self-Cleaned _____
   - Elevator _____
   - Mobile Seed Plant _____
   - Stationary Seed Plant
     - Farm _____
     - Commercial or Co-Op _____
   - Not Cleaned _____

4. Germination
   - Not Tested _____
   - Home Test _____ %
   - Plant Products _____ %
   - Private Lab _____ %

5. Seed Treatment
   - Fungicide _____
   - Insecticide _____
   - Dual _____
   - Name of Product _____
   - Not Treated _____

6. How do you rate your present seed cleaning method?
   - Good _____
   - Fair _____
   - Poor _____

7. Do you want a copy of the seed analysis for your farm?
   - Yes _____
   - No _____

8. This sample represents _____ total bushels of seed.

9. What are your most troublesome weeds?
   1. _____ 2. _____ 3. _____

10. Comments regarding seed and seed cleaning

_____

_____

Agriculture Canada

CERTIFICATE OF ANALYSIS / CERTIFICAT D'ANALYSE

CERTIFICATE NO · Nº DU CERTIFICAT

KIND OF SEED · GENRE DE SEMENCE

TEST REQUIRED · ESSAI DEMANDÉ ☐ PURITY PURETÉ ☐ GERMINATION ☐ BOTH LES DEUX

DESIGNATION · DÉSIGNATION

DATE RECEIVED · DATE REÇUE

DATE TESTED · DATE L'ESSAI

NAME AND ADDRESS · NOM ET ADRESSE

QUANTITY · QUANTITÉ

FEE CHARGED · DROIT PRÉLEVÉ

FEE RECEIVED · DROIT PAYÉ

SHIPPER AND ADDRESS · EXPÉDITEUR ET ADRESSE

CUSTOM ENT NO DE L'ENT EN DOdouane

HELD · RETENUE

COUNTRY OF ORIGIN PAYS D'ORIGINE

RELEASED · LIBÉRÉE

PROHIBITED NOXIOUS WEED SEEDS GRAINES DE MAUVAISES HERBES NUISIBLES INTERDITES	IN GMS	IN DMS	IN DMS	PER PAR
	0	0	0	
PRIMARY NOXIOUS NUISIBLES PRINCIPALES				
TOTAL PRIMARY TOTAL DES PRINCIPALES				
SECONDARY NOXIOUS NUISIBLES SECONDAIRES				
TOTAL SECONDARY TOTAL DES SECONDAIRES				
TOTAL NOXIOUS WEED SEEDS TOTAL DES MAUVAISES HERBES NUISIBLES				

PURE SEED SEMENCE PURE		%
OTHER CROP SEEDS AUTRES GRAINES PLANTES CULTIVÉES		%
WEED SEEDS GRAINES DE MAUVAISES HERBES		%
INERT MATTER MATIERE INERTE		%

OTHER WEED SEEDS AUTRES MAUVAISES HERBES	IN DMS	IN DMS	PER PAR
	0	0	
TOTAL OTHER WEED SEEDS TOTAL D'AUTRES MAUVAISES HERBES			
TOTAL NOXIOUS AND OTHER WEED SEEDS TOTAL DE MAUVAISES HERBES NUISIBLES ET AUTRES			
SWEET CLOVER MÉLILOT			
OTHER CROP SEEDS AUTRES GRAINES PLANTES CULTIVÉES			

DEHULLED TIMOTHY · MIL DÉCORTIQUÉ %

TOTAL

RELEASED · LIBÉRÉE

REMARKS · REMARQUES

ANALYST · ANALYSTE

GRADE NAME · NOM DE CATÉGORIE

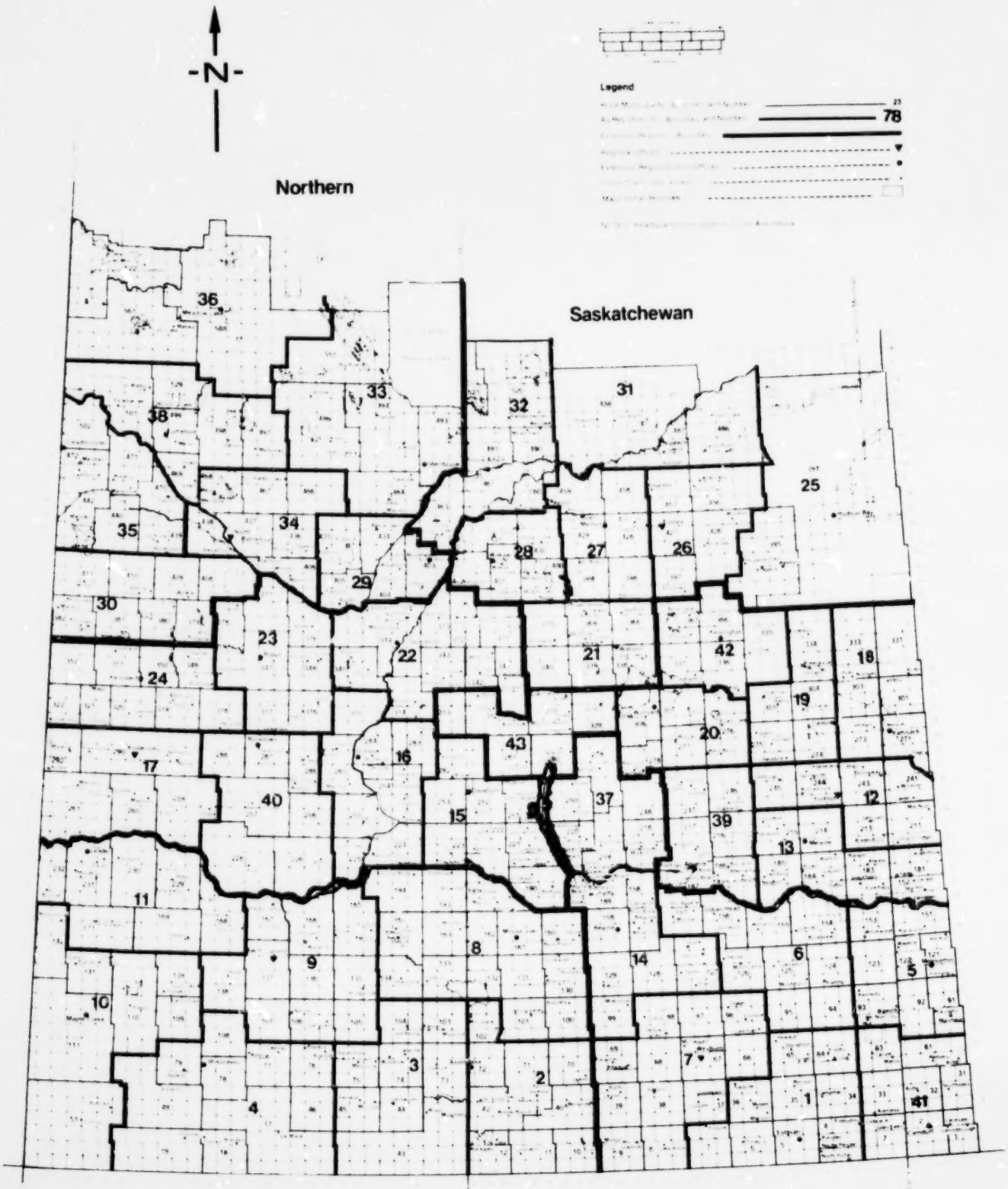
CANADA

REMARKS RE GRADE · REMARQUES CATÉGORIE

INSPECTOR · INSPECTEUR

Saskatchewan
Agriculture

Agricultural Extension Districts



Summary of the 12 Districts

Number of Samples by Grain

Alfalfa	3	Mustard	1
Barley	121	Oats	30
Barley & Oats Feed Mixture	2	Peas	1
Canary Seed	1	Red Clover	1
Canola	75	Rye	1
Durum Wheat	107	Sunflower	1
Flax	19	Sweet Clover	1
Lentils	2	Spring Wheat	606

Total 972 (One Sample Lost)

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	95	80	14	6	18,967
Other Farmer	68	37	23	40	18,775
Own Seed	751	32	34	34	500,272
Commercial	57	79	10	11	10,632
Total	**971**	**40**	**30**	**30**	**548,646**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	156	74	17	9	57,231
Foundation	11	73	27	0	3,563
Registered	21	81	9	10	16,281
Non-Pedigreed	783	31	33	36	471,571
Total	**971**	**40**	**30**	**30**	**548,646**

Summary

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	376	16	36	48	217,764
Mobile Plant	66	26	47	27	59,769
Not Cleaned	34	0	9	91	15,317
Self Cleaned	49	35	39	26	29,920
Stationary Farm Plant	167	60	28	12	83,285
Stationary Commercial Plant	243	68	21	11	126,103
Co-operative	36	67	22	11	16,408
Total	**971**	**40**	**30**	**30**	**548,646**

Analysis by Agricultural Representative District

District		No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
1	Estevan	81	27	30	43	59,452
6	Indian Head	82	24	37	39	50,527
2	Assiniboia	85	31	41	28	59,205
11	Leader	36	59	22	19	63,245
39	Fort Qu'Appelle	81	27	35	38	51,142
42	Kelvington	80	70	24	6	30,183
16	Outlook	80	24	45	31	66,811
23	Biggar	30	47	29	24	52,548
26	Tisdale	78	56	14	30	27,318
32	Prince Albert	78	42	23	35	25,726
29	Rosthern	80	31	39	30	32,159
36	Meadow Lake	80	35	24	41	30,330

Weed Problem Rating

Wild Oats	1905	Sow-Thistle	17
Green Foxtail (Millet)	1489	Persian Darnel	15
Wild Buckwheat	398	Lady's Thumb	13
Canada Thistle	276	Field Bindweed	7
Cow Cockle	169	Volunteer Grain	6
Stinkweed	145	Tartary Buckwheat	4
Flixweed	130	Lamb's-Quarters	4
Wild Mustard	94	Common Groundsel	3
Hemp-Nettle	89	Stork's-Bill	3
Pigweed	74	Bluebur	3
Russian Thistle	50	Barnyard Grass	3
Corn Spurry	49	Hawk's-Beard	2
Chickweed	35	Dandelion	1
Cleavers	31	Milkweed	1
Kochia	20		

Seed Treatment

Dual Purpose	9%
Fungicide	6%
Insecticide	1%
Not Treated	84%

Cleaning Facility Rating by Farmers

Good	73%
Fair	23%
Poor	4%

The Source of Seed by %

Seed Grower	10%
Other Farmer	7%
Own Seed	77%
Commercial	6%

The Class of Seed by %

Certified	16%
Foundation	1%
Registered	2%
Non-Pedigreed	81%

Seed as to Where Cleaned by %

Elevator	39%
Mobile Plant	7%
Not Cleaned	3%
Self Cleaned	5%
Stationary Farm Plant	17%
Stationary Commercial Plant	25%
Co-operative	4%

On the Basis of Bushels Needed

Canada No. 1	39.5%
Canada No. 2	34.4%
Reject	26.1%

Agricultural Representative District No. 1
Estevan

Number of Samples by Grain

Barley	4
Durum Wheat	8
Oats	3
Sunflower	1
Spring Wheat	65
Total	**81**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	10	90	10	0	2,607
Other Farmer	2	0	0	100	1,330
Own Seed	68	18	34	48	55,390
Commercial	1	100	0	0	125
Total	**81**	**27**	**30**	**43**	**59,452**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	9	67	23	10	4,397
Foundation	2	100	0	0	200
Registered	6	83	0	17	7,885
Non-Pedigreed	64	14	34	52	46,970
Total	**81**	**27**	**30**	**43**	**59,452**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	47	13	38	49	32,810
Mobile Plant	1	0	0	100	1,800
Not Cleaned	7	0	0	100	4,780
Self Cleaned	1	100	0	0	2,200
Stationary Farm Plant	24	58	25	17	17,737
Stationary Commercial Plant	1	100	0	0	125
Total	**81**	**27**	**30**	**43**	**59,452**

Weed Problem Rating

Green Foxtail (Millet)	190
Wild Oats	111
Wild Buckwheat	19
Canada Thistle	11
Wild Mustard	9
Cow Cockle	8
Stinkweed	7
Kochia	6
Flixweed	3
Pigweed	3

Seed Treatment

Dual Purpose	5%
Fungicide	1%
Insecticide	0%
Not Treated	94%

Cleaning Facility Rating by Farmers

Good	67%
Fair	32%
Poor	1%

Agricultural Representative District No. 2
Assiniboia

Number of Samples by Grain

Barley	2
Durum Wheat	24
Oats	3
Spring Wheat	56
Total	**85**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	4	50	50	0	1,115
Other Farmer	4	75	25	0	1,800
Own Seed	74	26	42	32	55,740
Commercial	3	67	33	0	550
Total	**85**	**31**	**41**	**28**	**59,205**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	14	29	57	14	8,670
Foundation	0	0	0	0	0
Registered	0	0	0	0	0
Non-Pedigreed	71	31	38	31	50,535
Total	**85**	**31**	**41**	**28**	**59,205**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	39	28	46	26	32,580
Mobile Plant	16	19	50	31	11,410
Not Cleaned	9	0	22	78	5,750
Self Cleaned	7	42	29	29	3,850
Stationary Farm Plant	12	58	42	0	5,080
Stationary Commercial Plant	2	100	0	0	535
Total	**85**	**31**	**41**	**28**	**59,205**

Weed Problem Rating

Green Foxtail (Millet)	156	Wild Mustard	7
Wild Oats	99	Field Bindweed	7
Flixweed	48	Pigweed	7
Wild Buckwheat	38	Russian Thistle	4
Cow Cockle	34	Persian Darnel	2
Canada Thistle	14	Milkweed	1
Stinkweed	9		

Seed Treatment

Dual Purpose	0%
Fungicide	1%
Insecticide	0%
Not Treated	99%

Cleaning Facility Rating by Farmers

Good	72%
Fair	23%
Poor	1%

Agricultural Representative District No. 6
Indian Head

Number of Samples by Grain

Canola	2
Durum Wheat	9
Flax	1
Oats	3
Oats and Barley Mixture	1
Spring Wheat	66
Total	**82**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	9	67	33	0	2,434
Other Farmer	6	16	17	67	1,650
Own Seed	63	16	40	44	44,963
Commercial	4	75	25	0	1,480
Total	**82**	**24**	**37**	**39**	**50,527**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	13	77	23	0	10,086
Foundation	3	67	33	0	328
Registered	2	100	0	0	1,700
Non-Pedigreed	64	9	41	50	38,413
Total	**82**	**24**	**37**	**39**	**50,527**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	32	0	31	69	18,335
Mobile Plant	3	33	33	34	4,750
Not Cleaned	0	0	0	0	0
Self Cleaned	7	57	14	29	7,635
Stationary Farm Plant	26	38	46	16	12,377
Stationary Commercial Plant	14	36	43	21	7,430
Total	**82**	**24**	**37**	**39**	**50,527**

Weed Problem Rating

Green Foxtail (Millet)	186
Wild Oats	158
Canada Thistle	30
Flixweed	15
Wild Buckwheat	14
Cow Cockle	9
Wild Mustard	7
Stinkweed	3
Quack Grass	1
Pigweed	1

Seed Treatment

Dual Purpose	1%
Fungicide	1%
Insecticide	3%
Not Treated	95%

Cleaning Facility Rating by Farmers

Good	69%
Fair	26%
Poor	5%

Agricultural Representative District No. 11
Leader

Number of Samples by Grain

Barley	5
Durum Wheat	49
Spring Wheat	32
Total	**86**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	2	50	0	50	1,200
Other Farmer	4	25	0	75	989
Own Seed	78	62	23	15	59,806
Commercial	2	50	50	0	1,250
Total	**86**	**59**	**22**	**19**	**63,245**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	3	67	0	33	2,200
Foundation	0	0	0	0	0
Registered	0	0	0	0	0
Non-Pedigreed	83	59	23	15	61,045
Total	**86**	**59**	**22**	**19**	**63,245**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	43	54	23	23	25,960
Mobile Plant	3	67	33	0	2,800
Not Cleaned	2	0	0	100	380
Self Cleaned	4	50	25	25	3,200
Stationary Farm Plant	2	50	50	0	500
Stationary Commercial Plant	32	72	19	9	30,405
Total	**86**	**59**	**22**	**19**	**63,245**

Weed Problem Rating

Wild Oats	174
Cow Cockle	90
Green Foxtail (Millet)	81
Wild Buckwheat	45
Flixweed	19
Russian Thistle	17
Stinkweed	7
Wild Mustard	4
Canada Thistle	3
Quack Grass	2
Kochia	2

Seed Treatment

Dual Purpose	10%
Fungicide	6%
Insecticide	0%
Not Treated	84%

Cleaning Facility Rating by Farmers

Good	57%
Fair	42%
Poor	1%

Agricultural Representative District No. 16
Outlook

Number of Samples by Grain

Barley	4
Canola	1
Durum Wheat	8
Lentils	2
Oats	2
Spring Wheat	63
Total	**80**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	2	50	50	0	119
Other Farmer	4	75	0	25	738
Own Seed	71	18	48	34	65,449
Commercial	3	67	33	0	505
Total	**80**	**24**	**45**	**31**	**66,811**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	12	33	50	17	8,109
Foundation	0	0	0	0	0
Registered	2	100	0	0	915
Non-Pedigreed	66	20	45	35	57,787
Total	**80**	**24**	**45**	**31**	**66,811**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	26	8	38	54	23,614
Mobile Plant	24	8	54	38	23,963
Not Cleaned	0	0	0	0	0
Self Cleaned	0	0	0	0	0
Stationary Farm Plant	12	33	58	9	6,930
Stationary Commercial Plant	18	61	33	6	12,304
Total	**80**	**24**	**45**	**31**	**66,811**

Weed Problem Rating

Green Foxtail (Millet)	181
Wild Oats	122
Wild Buckwheat	47
Russian Thistle	14
Flixweed	11
Kochia	10
Quack Grass	5
Stinkweed	5
Canada Thistle	5
Cow Cockle	4
Pigweed	1
Sow-Thistle	1

Seed Treatment

Dual Purpose	8%
Fungicide	0%
Insecticide	1%
Not Treated	91%

Cleaning Facility Rating by Farmers

Good	80%
Fair	19%
Poor	1%

Agricultural Representative District No. 23
Biggar

Number of Samples by Grain

Barley	5
Sweet Clover	1
Canola	3
Flax	1
Canary Seed	1
Durum Wheat	3
Spring Wheat	66
Total	**80**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	4	100	0	0	1,056
Other Farmer	8	12	25	63	1,655
Own Seed	63	47	32	21	49,172
Commercial	5	60	20	20	665
Total	**80**	**47**	**29**	**24**	**52,548**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	6	83	17	0	1,347
Foundation	2	50	50	0	1,100
Registered	4	75	25	0	4,258
Non-Pedigreed	68	43	29	28	45,843
Total	**80**	**47**	**29**	**24**	**52,548**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	36	22	39	39	18,770
Mobile Plant	11	55	36	9	9,700
Not Cleaned	0	0	0	0	0
Self Cleaned	2	50	50	0	2,400
Stationary Farm Plant	15	80	13	7	12,233
Stationary Commercial Plant	16	69	12	9	9,445
Total	**80**	**47**	**29**	**24**	**52,548**

Weed Problem Rating

Green Foxtail (Millet)	169
Wild Oats	155
Flixweed	28
Wild Buckwheat	22
Stinkweed	19
Canada Thistle	11
Russian Thistle	10
Persian Darnel	9
Cow Cockle	7
Pigweed	3
Quack Grass	1
Wild Mustard	1

Seed Treatment

Dual Purpose	9%
Fungicide	5%
Insecticide	1%
Not Treated	85%

Cleaning Facility Rating by Farmers

Good	69%
Fair	22%
Poor	9%

Agricultural Representative District No. 26
Tisdale

Number of Samples by Grain

Alfalfa	1	
Barley	31	
Canola	10	
Flax	13	
Oats	1	
Peas	1	
Spring Wheat	22	
Total	**79**	(One Sample Lost - Analysis Based on 78)

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	19	95	0	5	3,133
Other Farmer	13	38	8	54	3,345
Own Seed	43	44	23	33	20,625
Commercial	3	67	0	33	215
Total	**78**	**56**	**14**	**30**	**27,318**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	24	92	0	8	8,935
Foundation	1	100	0	0	300
Registered	1	0	0	1	600
Non-Pedigreed	52	40	21	39	17,483
Total	**78**	**56**	**14**	**30**	**27,318**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	22	9	18	73	12,179
Mobile Plant	0	0	0	0	146
Not Cleaned	2	0	0	100	231
Self Cleaned	7	57	43	0	25
Stationary Farm Plant	40	85	5	10	6,785
Stationary Commercial Plant	8	63	25	12	6,360
Total	**78**	**56**	**14**	**30**	**25,726**

Weed Problem Rating

Wild Oats	190	Chickweed	8
Canada Thistle	55	Pigweed	3
Hemp-Nettle	34	Barnyard Grass	3
Wild Mustard	31	Corn Spurry	2
Cleavers	28	Kochia	2
Stinkweed	23	Sow-Thistle	2
Green Foxtail (Millet)	22	Cow Cockle	2
Wild Buckwheat	21	Dandelion	1
Lady's Thumb	13	Volunteer Grain	1
Quack Grass	9		

Seed Treatment

Dual Purpose	5%
Fungicide	9%
Insecticide	2%
Not Treated	84%

Cleaning Facility Rating by Farmers

Good	75%
Fair	24%
Poor	1%

Agricultural Representative District No. 29

Rosthern

Number of Samples by Grain

Barley	13
Canola	13
Flax	1
Mustard	1
Oats	2
Rye	1
Spring Wheat	49
Total	**80**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	8	75	25	0	1,948
Other Farmer	6	33	50	17	1,959
Own Seed	54	11	46	43	27,087
Commercial	12	92	8	0	1,165
Total	**80**	**31**	**39**	**30**	**32,159**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	16	94	6	0	1,898
Foundation	2	50	50	0	635
Registered	3	67	33	0	800
Non-Pedigreed	59	12	47	41	28,826
Total	**80**	**31**	**39**	**30**	**32,159**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	47	0	58	42	22,361
Mobile Plant	1	0	100	0	1,100
Not Cleaned	0	0	0	0	0
Self Cleaned	3	0	0	100	1,265
Stationary Farm Plant	15	67	20	13	4,458
Stationary Commercial Plant	18	83	11	6	2,975
Total	**80**	**31**	**39**	**30**	**32,159**

Weed Problem Rating

Wild Oats	165	Cow Cockle	3
Green Foxtail (Millet)	129	Lamb's-Quarters	2
Canada Thistle	54	Persian Darnel	2
Stinkweed	49	Russian Thistle	2
Wild Buckwheat	9	Wild Mustard	2
Quack Grass	7	Pigweed	2
Flixweed	3	Sow-Thistle	1

Seed Treatment

Dual Purpose	15%
Fungicide	20%
Insecticide	5%
Not Treated	60%

Cleaning Facility Rating by Farmers

Good	59%
Fair	29%
Poor	12%

Agricultural Representative District No. 32
Prince Albert

Number of Samples by Grain

Alfalfa	2
Barley	13
Canola	22
Durum Wheat	1
Flax	2
Oats	4
Spring Wheat	34
Total	**78**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	16	69	12	19	3,043
Other Farmer	7	43	28	29	1,802
Own Seed	44	25	32	43	19,415
Commercial	11	73	0	27	1,466
Total	**78**	**42**	**23**	**35**	**25,726**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	22	68	9	23	4,226
Foundation	0	0	0	0	0
Registered	3	100	0	0	123
Non-Pedigreed	53	28	30	42	21,377
Total	**78**	**42**	**23**	**35**	**25,726**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	28	11	28	61	12,179
Mobile Plant	1	100	0	0	146
Not Cleaned	2	0	50	50	231
Self Cleaned	1	0	0	100	25
Stationary Farm Plant	13	69	31	0	6,785
Stationary Commercial Plant	33	61	15	24	6,360
Total	**78**	**42**	**23**	**35**	**25,726**

Weed Problem Rating

Wild Oats	160	Quack Grass	5
Green Foxtail (Millet)	86	Volunteer Grain	5
Canada Thistle	29	Wild Mustard	5
Wild Buckwheat	29	Cleavers	3
Pigweed	23	Bluebur	2
Stinkweed	12	Cow Cockle	1
Hemp-Nettle	8	Russian Thistle	1
Sow-Thistle	8		

Seed Treatment

Dual Purpose	26%
Fungicide	5%
Insecticide	4%
Not Treated	65%

Cleaning Facility Rating by Farmers

Good	74%
Fair	13%
Poor	13%

Agricultural Representative District No. 36
Meadow Lake

Number of Samples by Grain

Barley	22
Barley and Oats Mixture	1
Canola	5
Durum Wheat	1
Oats	8
Red Clover	1
Spring Wheat	42
Total	**80**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	2	50	0	50	343
Other Farmer	8	50	37	13	1,927
Own Seed	65	29	25	46	27,469
Commercial	5	80	0	20	591
Total	**80**	**35**	**24**	**41**	**30,330**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	8	75	12	13	2,954
Foundation	0	0	0	0	0
Registered	0	0	0	0	0
Non-Pedigreed	72	31	25	44	27,376
Total	**80**	**35**	**24**	**41**	**30,330**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	27	11	37	52	8,456
Mobile Plant	1	0	0	100	500
Not Cleaned	11	0	0	100	3,861
Self Cleaned	3	0	33	67	925
Stationary Farm Plant	1	0	0	100	280
Stationary Commercial Plant	2	100	0	0	200
Co-operative	35	66	23	11	16,108
Total	**80**	**35**	**24**	**41**	**30,330**

Weed Problem Rating

Wild Oats	145	Stinkweed	8
Corn Spurry	47	Sow-Thistle	5
Wild Buckwheat	33	Tartary Buckwheat	4
Pigweed	28	Green Foxtail (Millet)	4
Chickweed	22	Common Groundsel	3
Canada Thistle	19	Stork's-Bill	3
Hemp-Nettle	16	Hawk's-Beard	2
Quack Grass	14		

Seed Treatment

Dual Purpose	6%
Fungicide	3%
Insecticide	0%
Not Treated	91%

Cleaning Facility Rating by Farmers

Good	85%
Fair	14%
Poor	1%

Agricultural Representative District No. 39
Fort Qu'Appelle

Number of Samples by Grain

Barley	1
Canola	2
Durum Wheat	4
Oats	2
Spring Wheat	72
Total	**81**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	3	100	0	0	221
Other Farmer	3	0	67	33	913
Own Seed	73	23	36	41	47,608
Commercial	2	100	0	0	2,400
Total	**81**	**27**	**35**	**38**	**51,142**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	5	100	0	0	1,971
Foundation	1	100	0	0	1,000
Registered	0	0	0	0	0
Non-Pedigreed	75	21	37	42	48,171
Total	**81**	**27**	**35**	**38**	**51,142**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	24	0	12	88	10,722
Mobile Plant	5	40	60	0	3,600
Not Cleaned	0	0	0	0	0
Self Cleaned	6	0	83	17	3,580
Stationary Farm Plant	5	0	40	60	2,100
Stationary Commercial Plant	40	47	38	15	30,840
Co-operative	1	100	0	0	300
Total	**81**	**27**	**35**	**38**	**51,142**

Weed Problem Rating

Wild Oats	215
Green Foxtail (Millet)	139
Wild Buckwheat	73
Canada Thistle	20
Wild Mustard	3
Cow Cockle	2
Pigweed	2
Flixweed	2
Russian Thistle	1

Seed Treatment

Dual Purpose	10%
Fungicide	0%
Insecticide	0%
Not Treated	90%

Cleaning Facility Rating by Farmers

Good	88%
Fair	11%
Poor	1%

Agricultural Representative District No. 42
Kelvington

Number of Samples by Grain

Barley	21
Canola	17
Flax	1
Oats	2
Spring Wheat	39
Total	**80**

Analysis by Source

Source	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Seed Grower	16	88	12	0	1,748
Other Farmer	3	67	33	0	667
Own Seed	55	62	29	9	27,548
Commercial	6	100	0	0	220
Total	**80**	**56**	**24**	**6**	**30,183**

Analysis by Class

Class	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Certified	24	92	8	0	2,438
Foundation	0	0	0	0	0
Registered	0	0	0	0	0
Non-Pedigreed	56	61	30	9	27,745
Total	**80**	**56**	**24**	**6**	**30,183**

Analysis by Where Cleaned

Where Cleaned	No. of Samples	Can. No. 1 %	Can. No. 2 %	Reject %	Bushels to Be Seeded
Elevator	9	11	56	33	6,007
Mobile Plant	0	0	0	0	0
Not Cleaned	1	0	0	100	15
Self Cleaned	8	25	63	12	2,215
Stationary Farm Plant	3	33	67	0	3,907
Stationary Commercial Plant	59	88	12	0	18,039
Total	**80**	**56**	**24**	**6**	**30,183**

Weed Problem Rating

Wild Oats	211	Stinkweed	3
Green Foxtail (Millet)	146	Lamb's-Quarters	2
Wild Buckwheat	48	Persian Darnel	2
Hemp-Nettle	31	Bluebur	1
Wild Mustard	25	Quack Grass	1
Canada Thistle	25	Pigweed	1
Cow Cockle	9	Russian Thistle	1
Chickweed	5		

Seed Treatment

Dual Purpose	19%
Fungicide	16%
Insecticide	0%
Not Treated	65%

Cleaning Facility Rating by Farmers

Good	88%
Fair	11%
Poor	1%